

# Claims

- [c1] 1. An apparatus adapted to be connected to a thermostat sub-base assembly in connection with an HVAC system, the apparatus comprising:  
a connector configured to be releasably connectable to the sub-base assembly; and  
a temperature-actuated switching means for mechanically switching power supplied from a first connection on the sub-base to a second connection on the sub-base so as to enable heating operation of the HVAC system when the switching means is exposed to an ambient temperature below a predetermined temperature.
- [c2] 2. The apparatus of claim 1, further comprising a housing that covers the connector and connection to the sub-base assembly so as to prevent damage or entry of unwanted materials.
- [c3] 3. The apparatus of claim 2, further comprising a second temperature actuated switching means for mechanically switching power supplied from a third connection on the sub-base to a fourth connection and fifth connection on the sub-base so as to enable cooling operation of the HVAC system when the second switching means is ex-

posed to an ambient temperature above a second predetermined temperature.

[c4] 4. An apparatus adapted to be connected to a thermostat sub-base assembly having a plurality of connector pins in connection with an HVAC system, the apparatus comprising:

a connector configured to be releasably connectable to the connector pins on the sub-base assembly; and  
a temperature-actuated switching means for mechanically switching power supplied from a first connector pin on the sub-base to a second connector pin on the sub-base so as to enable heating operation of the HVAC system when the switching means is exposed to an ambient temperature below a predetermined temperature.

[c5] 5. The apparatus of claim 4, further comprising a housing that covers the connector and connector pins of the sub-base assembly so as to prevent damage or entry of unwanted materials.

[c6] 6. The apparatus of claim 5, further comprising a second temperature actuated switching means for mechanically switching power supplied from a third connector pin on the sub-base to a fourth connector pin and fifth connector pin on the sub-base so as to enable cooling opera-

tion of the HVAC system when the second switching means is exposed to an ambient temperature above a second predetermined temperature.

[c7] 7. An apparatus adapted to be connected to a thermostat sub-base assembly having a plurality of connector pins associated with a plurality of terminals for connecting to an HVAC system, the apparatus comprising:

a connector configured to be releasably connectable to the connector pins on the sub-base assembly; and  
a temperature-actuated switching means for mechanically switching power supplied from a first connector pin on the sub-base to a second connector pin on the sub-base so as to enable heating operation of the HVAC system when the switching means is exposed to an ambient temperature below a non-adjustable predetermined temperature.

[c8] 8. The apparatus of claim 7, further comprising a housing that covers the connector and connector pins of the sub-base assembly so as to prevent damage or entry of unwanted materials.

[c9] 9. The apparatus of claim 8, further comprising a second temperature actuated switching means for mechanically switching power supplied from a third connector pin on the sub-base to a fourth connector pin and fifth connec-

tor pin on the sub-base so as to enable cooling operation of the HVAC system when the second switching means is exposed to an ambient temperature above a second non-adjustable predetermined temperature.

[c10] 10. An apparatus in combination with a thermostat sub-base assembly having a plurality of connector pins associated with a plurality of terminals for connecting to an HVAC system, the apparatus comprising:

- a connector configured to be releasably connectable to the connector pins on the sub-base assembly;
- a temperature-actuated switching means for mechanically switching power supplied from a first connector pin on the sub-base to a second connector pin on the sub-base so as to enable heating operation of the HVAC system when the switching means is exposed to an ambient temperature below a non-adjustable predetermined temperature; and
- a housing that covers the connector and connection pins of the sub-base assembly so as to prevent damage or entry of unwanted materials.

[c11] 11. The apparatus of claim 10, further comprising a second temperature actuated switching means for mechanically switching power supplied from a third connector pin on the sub-base to a fourth connector pin and fifth connector pin on the sub-base so as to enable cooling

operation of the HVAC system when the second switching means is exposed to an ambient temperature above a second non-adjustable predetermined temperature.

[c12] 12. The apparatus of claim 10, wherein the apparatus provides control of an HVAC system independent of a battery or external power source.

[c13] 13. The apparatus of claim 10, wherein the sub-base comprises eight connector pins and the connector is a socket connector configured to be releasably connectable to the eight connector pins.